

#40490

OIPF

MAR 27 2002

**F A X C O V E R**

**Date** March 27, 2002 **Number of pages (including cover):** 14  
**To** Not Yet Assigned  
**Applicant** Chow, Tatsing  
**Serial No:** 09/944,522 - Confirmation No.: 3321  
**Filing Date:** August 31, 2001  
**Title:** THYRISTOR HAVING ONE OR MORE DOPED LAYERS  
**Fax Number:** 703.746.4060  
**Number of Pages (including Cover Sheet):** 14

ORIGINAL DOCUMENTS SENT: ☐ 1st Class Mail ☐ Overnight Mail ☐ Air Mail ☒ Not Sent

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that a Transmittal Letter, in duplicate; Copy of Request for Substitute Papers; and Copy of Documents filed 01/07/02, in the above-referenced application (Total of 14 pages including cover sheet) is/are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Lori A. Biancuzzo

Typed or Printed Name of Person

Date: March 27, 2002

Signing Certification *Lori A. Biancuzzo*

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**WG&S File Number:** R00434/70008

**IF YOU DID NOT RECEIVE ALL OF THE PAGES OF THIS TRANSMISSION OR IF ANY OF THE PAGES ARE ILLEGIBLE, PLEASE CALL 617.720.3500 IMMEDIATELY.**

**Wolf Greenfield Fax Number: 617.720.2441**

Wolf, Greenfield & Sacks, P.C. | 600 Atlantic Avenue | Boston, Massachusetts 02210-2206

617.720.3500 | fax 617.720.2441 | [www.wolfgreenfield.com](http://www.wolfgreenfield.com)

**PATENTS TRADEMARKS COPYRIGHTS TECHNOLOGY TRANSFERS LITIGATION**

ATTORNEY'S DOCKET NO. R00434/70008 (EJR)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chow, Tatsing  
Serial No: 09/944,522 - Conf. No.: 3321  
Filed: August 31, 2002  
For: THYRISTOR HAVING ONE OR MORE DOPED LAYERS

Examiner: Not Yet Assigned  
Art Unit: 2812



## CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being facsimile transmitted to the United States Patent and Trademark Office, Attention: OIPE, Washington, D.C. 20231, FAX No. 703-746-4060 on the 27<sup>th</sup> day of March, 2002.

Lori A. Biancuzzo

Commissioner For Patents  
Attention: OIPE  
Washington, D.C. 20231

Sir:

Transmitted herewith are the following documents:

- [x] Copy of Request for Substitute Papers; and
- [x] Copy of Documents Filed on January 7, 2002 which include:
  - return-receipt postcard;
  - copy of a check in the amount of \$110.00;
  - Transmittal Letter;
  - Notice to File Missing Parts of Nonprovisional Application - Part 2;
  - Petition for One Month Extension of Time; and
  - Substitute Drawings in Compliance with 37 CFR 1.84 (4 sheets, Figs. 1-5).

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

No fee is required. If there is a fee required in connection with filing these documents, it may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,

Edward J. Russavage, Reg. No. 43,069  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210-2211  
(617) 720-3500

Docket No. R00434/70008 (EJR)  
Dated: March 27, 2002  
x04/02/2002



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

Application Number	Filing Date	First Named Applicant	Atty. Docket No.
09/944,522	08/31/2001	Chow, Tatsing	R0434/7008 (EJR)

23628

WOLF GREENFIELD & SACKS, PC  
FEDERAL RESERVE PLAZA  
600 ATLANTIC AVENUE  
BOSTON MA 02210-2211

DOCKETED

MAR 22 2002

File Folder	Initials
ECB	<input checked="" type="checkbox"/>
Docket Entry	<input checked="" type="checkbox"/>
Docket Cross Off	<input checked="" type="checkbox"/>
Order Copies	<input type="checkbox"/>
Annulites	<input type="checkbox"/>
Confirmation	<input type="checkbox"/>

Title: Thyristor having one or more doped layers

Date Mailed:03/18/2002 ✓

## Request for Substitute Papers

The papers filed on 02/06/02 (certificate of mailing dated 12/11/01) are no longer in condition to become part of the permanent records of the United States Patent and Trademark Office (USPTO) for this application (37 CFR 1.52(a)) due to the United States Postal Service sanitization process.

The USPTO requests that applicant provide a copy of the above-identified papers (except for any U.S. or foreign patent documents submitted with the above-identified papers) with a statement that such copy is a complete and accurate copy of the above-identified papers (signing and returning a copy of this notice will provide such a statement). The reply to this letter should be submitted to the USPTO by facsimile at the number indicated **703-746-4060(OIPE)**.

Alternatively, the reply to this letter may be hand-carried to the Customer Service Window located in Room 1B03 of Crystal Plaza Building 2, Arlington, Virginia, 22202.

The USPTO strongly prefers that the reply to this letter be submitted by facsimile. However, if applicant cannot submit the reply to this letter by facsimile (or hand-delivery), the reply may be mailed to: Box Duplicate OIPE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202-2327.

This letter is not a notice under 37 CFR 1.251. However, failure to timely replay to this notice within **two (2) weeks** of the date of receipt of this letter may result in the USPTO issuing a notice under 37 CFR 1.251. A copy of this notice should be included with the reply.

The enclosed papers are a complete and accurate copy of the above-identified papers.

Name: Edward V. Lussakoff Registration No.: 43,069

Signature: [Signature] Date: 3/27/2002



Serial No. 091944.622 File No. 0912117008 By ESR  
 Title: Thurston Having One or more Doped Layers  
 Application of: Joseph P. Chou  
 The U.S. PTO Mail Room acknowledges receipt of the following on the date stamped hereon:  
 WGS Date: 01/07/02

<input type="checkbox"/> Mailing by Express Mail (37 CFR 1.10)	<input type="checkbox"/> Provisional Application Cover Sheet
<input type="checkbox"/> Express Mail Label No. _____	<input type="checkbox"/> Multiple Dependent Claim Fee Sheet
<input type="checkbox"/> Patent Application	<input type="checkbox"/> Int. Disc. Statement, PTO Form 1449
<input type="checkbox"/> Non-provisional	<input type="checkbox"/> Preliminary Claim
pages, ( <input type="checkbox"/> ) Provisional	<input type="checkbox"/> Priority Document(s) # _____
incl. Abstract, ( <input type="checkbox"/> ) Claims ( <input type="checkbox"/> ) # claims	<input type="checkbox"/> Copy of Notice to File Missing Parts
<input type="checkbox"/> Design Patent Application	<input type="checkbox"/> Amendment/Response
Declaration(s) _____	<input type="checkbox"/> Petition for Ext. of Time (x2)
<input type="checkbox"/> Drawings _____	<input type="checkbox"/> Issue Fee Transmitted
<input type="checkbox"/> Female <input type="checkbox"/> Internal	<input type="checkbox"/> Notice to Official Draftsperson
<input type="checkbox"/> Utility Patent Application Transmitted	<input type="checkbox"/> Brief (x2)
<input type="checkbox"/> Fee calculation sheet (x2)	<input type="checkbox"/> Check for \$ <u>110.00</u> Check # <u>8863</u>
<input type="checkbox"/> CPA Transmittal	<input type="checkbox"/> Transmitted Letter (x2)
<input type="checkbox"/> Verified Statement affirming small entity status	<input type="checkbox"/> Cert. of Mailing under 37 CFR 1.8(a)
<input type="checkbox"/> Assignment and Cover Sheet	

☒ Other Notice to file Provisional Patent of Nonprovisional Application  
☒ Substitute drawings 4 sheets, figs. 1-5

DATE MAILED January 7<sup>th</sup>, 2002.

OFFICE

MAR 27 2002

BEST AVAILABLE COPY

Wolf, Greenfield & Sachs, P.C.  
PTFM Account

INVOICE NUMBER

INVOICE DATE

CLIENT

MATTER

AMOUNT

80434

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WOLF GREENFIELD & SACHS, P.C.  
PTFM ACCOUNT



WOLF GREENFIELD & SACHS, P.C.  
PTFM ACCOUNT

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ATTORNEY'S DOCKET NO. R0434/7008 (L.A.)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tatsing P. Chow  
Serial No: 09/944,522  
Filed: August 31, 2001  
For: THYRISTOR HAVING ONE OR MORE DOPED LAYERS

Examiner: Not Yet Assigned  
Art Unit: 2812



## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231, on the 7th day of January, 2002.

  
Edward J. Russavage, Reg. No. 43,069

Box Missing Parts  
Commissioner For Patents  
Washington, D.C. 20231

Sir/Madam:

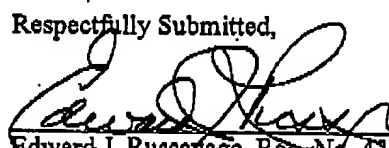
Transmitted herewith are the following documents:

- [x] Notice to File Missing Parts of Nonprovisional Application - Part 2
- [x] Petition for One Month Extension of Time;
- [x] Substitute Drawings in Compliance with 37 CFR 1.84 (4 sheets, Figs. 1-5); and
- [x] Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$110.00 is enclosed to cover the filing fee (which covers the Petition for the One Month Extension of Time). If the fee is insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,

  
Edward J. Russavage, Reg. No. 43,069  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210-2211  
(617) 720-3500

Docket No. R0434/7008 (EJR)

Dated: January 7, 2002

x01/07/02 (01/05/02 having fallen on a Saturday)

582905.1

MAR 27 2002



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20531  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/944,522	08/31/2001	Tatsing P. Chow	R0434/7008 EJR

23828  
WOLF GREENFIELD & SACKS, PC  
FEDERAL RESERVE PLAZA  
600 ATLANTIC AVENUE  
BOSTON, MA 02210-2211

CONFIRMATION NO. 3321

## FORMALITIES LETTER



\*00000000008851711\*

Date Mailed: 10/05/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

File Folder	<input checked="" type="checkbox"/>	12/15/01
ECB	<input checked="" type="checkbox"/>	
Docket Entry	<input checked="" type="checkbox"/>	
Docket Cross Off	<input checked="" type="checkbox"/>	
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Annuitia	<input type="checkbox"/>	
Confirmation	<input type="checkbox"/>	

DOCKETED

OCT 24 2001

A copy of this notice **MUST** be returned with the reply.


WOLF GREENFIELD

Fax:6177202441

Mar 27 2002 14:36

P.10

Page 2 of 2

  
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Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY